

1 On page 18 line 15 insert "through port 10 with the straight
2 waveguide section 14 not being selected" after "13".

3 On page 19 line 9, insert "The feed 13 communicates signals 12
4 through port 10, straight waveguide section 14 and port 16 but not
5 through the extended waveguide portion 42 and the frequency
6 selective reflective surface 44 of bent waveguide section 40 not
7 being selected." after "53".

8 IN THE CLAIMS

9 Applicant amends the Claims as follows:

10 Cancel claims 1-4, and 9-14 without prejudice.

11 5. (Amended) A selectable waveguide having a first position and a
12 second position for respectively communicating first or second
13 signals from an antenna feed to respective first and second probes,
14 the selectable waveguide comprising,

15 an antenna feed port coupled to the antenna feed for
16 communicating the signals between the antenna feed and the first
17 and second probes,

18 a first waveguide section having a first shape [and coupled]
19 and a first cross-section for coupling to the antenna feed port for
20 communicating the first signal,

21 a first port for coupling [coupled between] the first probe
22 [and] to the first waveguide section for communicating the first
23 signal between the first probe and the first waveguide section,

24 a second waveguide section having a second shape [and coupled]
25 and a second cross-section for coupling to the antenna feed port
26 for communicating the second signal,

27 a second port for coupling [coupled between] the second probe
28 [and] to the second waveguide section for communicating the second

1 signal between the second probe and the second waveguide section,
2 the first and the second shapes are selected from the group
3 consisting of straight and bent at ninety degrees with a forty-five
4 degree reflective surface, the first and second cross sections are
5 selected from the group consisting of square and circular, the
6 first and second shapes and the first and second cross sections
7 enable concurrent isolated communications of the first and second
8 signals through either one of the first and second waveguide
9 sections when the first and second signals are orthogonally
10 polarized respecting each other, and

11 an element for supporting the first and second waveguide
12 sections, the element having a first position for communicating the
13 first signal between the antenna feed port through the first
14 waveguide section to the [second] first port, the element having a
15 second position for communicating the second signal between the
16 antenna feed port through the second waveguide section to the
17 second port.

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19 6. (Amended) The selectable waveguide of claim 5 wherein,

20 the element is a rotating element,
21 the first signal is a first polarized signal,
22 the first waveguide shape is straight,
23 the second signal is a second polarized signal,
24 the second waveguide shape is bent at ninety degrees having a
25 forty-five degree reflective surface, and

26 the selectable waveguide is for selecting the communicating of
27 either the first or second polarized signals, the first and second
28 polarized signals [are] being orthogonal respecting to each other.

1 7. (Amended) The selectable waveguide of claim 5 wherein,
2 the element is a rotating element,
3 the first signal is a circularly polarized signal,
4 the first waveguide shape is straight,
5 the second signal is a linearly polarized signal,
6 the second waveguide shape is bent at ninety degrees having a
7 forty-five degree reflective surface, and
8 the selectable waveguide is for [selecting the communication
9 of] selectively communicating either the circularly polarized
10 signal or the linearly polarized signal.
11
12 8. (Amended) The selectable waveguide of claim 5 wherein,
13 the second signal comprises a high frequency signal and a low
14 frequency signal,
15 the reflective surface is a frequency selective reflective
16 surface for reflecting the low frequency signal[s] to the second
17 port and for passing the high frequency signal[s] to the first
18 port,
19 the second waveguide section comprises a waveguide extension
20 extending from the frequency selective reflective surface and the
21 first port for communicating the high frequency signal[s] to the
22 first probe through the first port when the selectable waveguide is
23 in the second position.
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